

**Amendments to the Specification**

Please amend the specification, as follows:

Page 1, line 3, add the following paragraph in the form of a section heading after the title “METHOD AND SYSTEM FOR DETERMINING A TYRE LOAD DURING THE RUNNING OF A MOTOR VEHICLE” and prior to the paragraph beginning “The present invention relates to a method and a system . . . .”

**CROSS-REFERENCE TO RELATED APPLICATIONS**

Page 1, line 3, add the following new paragraph after the heading “CROSS-REFERENCE TO RELATED APPLICATIONS” added above and prior to the paragraph beginning “The present invention relates to a method and a system . . . .”

This application is a national-phase entry under 35 U.S.C. § 371 from International Application No. PCT/EP2003/007185, filed July 4, 2003, in the European Patent Office, the content of which is relied upon and incorporated herein by reference.

Page 1, line 3, add the following new paragraph in the form of a section heading after the cross-reference to related applications added above and prior to the start of the paragraph beginning “The present invention relates to a method and a system . . . .”

## BACKGROUND OF THE INVENTION

Page 1, line 3, add the following new paragraph in the form of a section subheading after the heading "BACKGROUND OF THE INVENTION" added above and prior to the start of the paragraph beginning "The present invention relates to a method and a system . . . ."

### Field of the Invention

Page 1, line 7, add the following new paragraph in the form of a section subheading prior to the start of the paragraph beginning "Inflation pressure is a convenient measurement . . . ."

### Description of the Related Art

Page 4, line 9, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning "The Applicant has faced the problem . . . ."

## SUMMARY OF THE INVENTION

Page 9, line 24, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning "Further features and advantages . . . ."

## BRIEF DESCRIPTION OF THE DRAWINGS

Page 10, line 11, add the following new paragraph in the form of a section heading prior to the start of the paragraph beginning “Figure 1 shows a cross section . . . .”

#### DETAILED DESCRIPTION OF THE EXEMPLARY EMBODIMENTS

Add a new page 30 after the claims, adding the following ABSTRACT OF THE DISCLOSURE. A new, separate page 30 including the ABSTRACT OF THE DISCLOSURE is enclosed.

#### ABSTRACT OF THE DISCLOSURE

A method for determining a load exerted on a tyre, fitted on a vehicle, during running of the vehicle on a rolling surface, is disclosed. The method includes acquiring a first signal comprising a first signal portion representative of a radial deformation; measuring an amplitude of the radial deformation in the first signal portion; estimating a rotation speed of the tyre corresponding to the radial deformation; estimating an inflation pressure of the tyre corresponding to the radial deformation; and deriving the load exerted on the tyre from the amplitude, the rotation speed, and the inflation pressure. The first signal portion is representative of the radial deformation to which a first tread area portion of the tyre is subjected during passage of the first tread area portion through a contact region between the tyre and the rolling surface. A system for determining the load exerted on the tyre is also disclosed.